

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Joseph SCHLESSINGER et al.

Title:

NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE PHOSPHATASE-ALPHA

Prior Appl. No.:

09/280,597

Prior Appl.

Filing Date:

3/29/1999

Examiner:

Unassigned

Art Unit:

Unassigned

## CONTINUING PATENT APPLICATION TRANSMITTAL LETTER

Mail Stop PATENT APPLICATION Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a:

[ ] Continuation [ X ] Division [ ] Continuation-In-Part (CIP)

of the above-identified copending prior application in which no patenting, abandonment, or termination of proceedings has occurred. Priority to the above-identified prior application is hereby claimed under 35 U.S.C. § 120 for this continuing application. The entire disclosure of the above-identified prior application is considered as being part of the disclosure of the accompanying continuing application and is hereby incorporated by reference therein.

## Enclosed are:

- [X] Application Data Sheet (37 CFR 1.76).
- [X] Preliminary Amendment.
- [X] Specification, Claim(s), and Abstract (74 pages).
- [X] Formal drawings (14 sheets, Figures 1-8 (3)).
- [X] Sequence Listing (paper copy).



- [X] Copy of Declaration and Power of Attorney (from Prior Application).
- [X] Copy of Assignment of the invention to New York University (from Prior Application).
- [X] Information Disclosure Statement.
- [X] Form PTO/SB/08 (from Prior Application).

The filing fee is calculated below:

	Claims	I	ncluded i	n	Extra				Fee
	as Filed		Basic Fee	2	Claims		Rate		Totals
Basic Fee							\$750.00		\$750.00
Total Claims:	35	-	20	=	15	X	\$18.00	=	\$270.00
Independ ents:	3	-	3	_ =	0	X	\$84.00	===	\$0.00
If any Mu	ltiple Dep	ende	nt Claim	(s) pr	esent:	+	\$280.00	=	\$0.00
						SU	JBTOTAL:	=	\$1020.00
[]	Sm	all E	Intity Fee	s Ap	ply (subtra	act ½	of above):	=	\$0.00
TOTAL FILING FEE:						=	\$1,020.00		
						T	OTAL FEE	=	\$1,020.00

- [X] A check in the amount of \$1,020.00 to cover the filing fee and additional claims fee is enclosed.
- [X] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully

Date

**FOLEY & LARDNER** 

Customer Number: 22428

Telephone: Facsimile:

(202) 672-5475 (202) 672-5399 Beth A. Burrous

Attorney for Applicant Registration No. 35,087





## NOVEL RECEPTOR-TYPE PHOSPHOTYROSINE PHOSPHATASE-ALPHA

5		TABLE OF CONTENTS		
			<u>Pa</u>	<u>ge</u>
	1.	INTRODUCTION	•	1
10	2.	BACKGROUND OF THE INVENTION		
		2.1. <u>PTKases</u>	•	1
		2.2. <u>PTPases</u>	•	2
			•	3
15	3.	SUMMARY OF THE INVENTION		
	• •	· · · · · · · · · · · · · · · · · · ·	•	7
	4.	DESCRIPTION OF THE FIGURES	•	10
20	5.	DETAILED DESCRIPTION OF THE INVENTION		14
	6.	EXAMPLE: ISOLATION AND ANALYSIS OF MURINE		
		RPTPα cDNA CLONES	•	48
		6.1. LIBRARY SCREENING	•	48
25		6.2. RESULTS	•	49
	7.	EXAMPLE: CHROMOSOMAL LOCALIZATION OF THE		
		MOUSE RPTPα GENE	•	51
30	8.	EXAMPLE: EXPRESSION OF MURINE RPTP@ RNA		57
•		8.1. Northern Analysis	•	57
		8.2. EXPRESSION OF THE MURINE RPTP@ PROTEIN.	•	57
		8.3. <u>Results</u>	•	58

			<u>F</u>	<u>'age</u>
	9.	EXAMPLE: TRANSIENT EXPRESSION OF THE MURINE		
		RPTPα PROTEIN		58
		9.1. ANTIBODY PREPARATION AND		
5		IMMUNOPRECIPITATION		- 58
		9.2. <u>Résults</u>	•	. 59 59
		9.3. GENERAL DISCUSSION FOR SECTIONS 6-9	•	60
		- I I I I I I I I I I I I I I I I I I I	•	60
	10.	EXAMPLE: ISOLATION AND CHARACTERIZATION OF		
10		HUMAN RPTP CDNA		62
		10.1. <u>Materials</u>	•	62
		10.2. <u>Methods</u>	•	
		10.3. <u>Results</u>	•	62
		10.4. Discussion	•	64
15	4.	=======================================	•	66
	11.	EXAMPLE: EXPRESSION OF HUMAN RPTPα BY		
		NORTHERN BLOT ANALYSIS		
			•	68
	12.	EXAMPLE: CHROMOSOME LOCALIZATION OF THE		
20	-	HUMAN RPTPA GENE		, <del></del> (
			•	69

25

30

35